

## **ABSTRACT**

**[24]** Certain embodiments of the invention may be found in, for example, a system that reduces noise in a substrate of a chip and may comprise a substrate and a first well disposed on top of the substrate. The first well may be a deep well. Notwithstanding, a second well and a third are both disposed within the first well and a first transistor may be disposed in the second well. A quiet voltage source may be connected to a body of the first transistor and a second transistor may be disposed in the third well. The first transistor may be a PMOS transistor and the second transistor may be an NMOS transistor. A noisy voltage source may be coupled to a source of the first transistor and a body of the first transistor may be resistively coupled to the second well.